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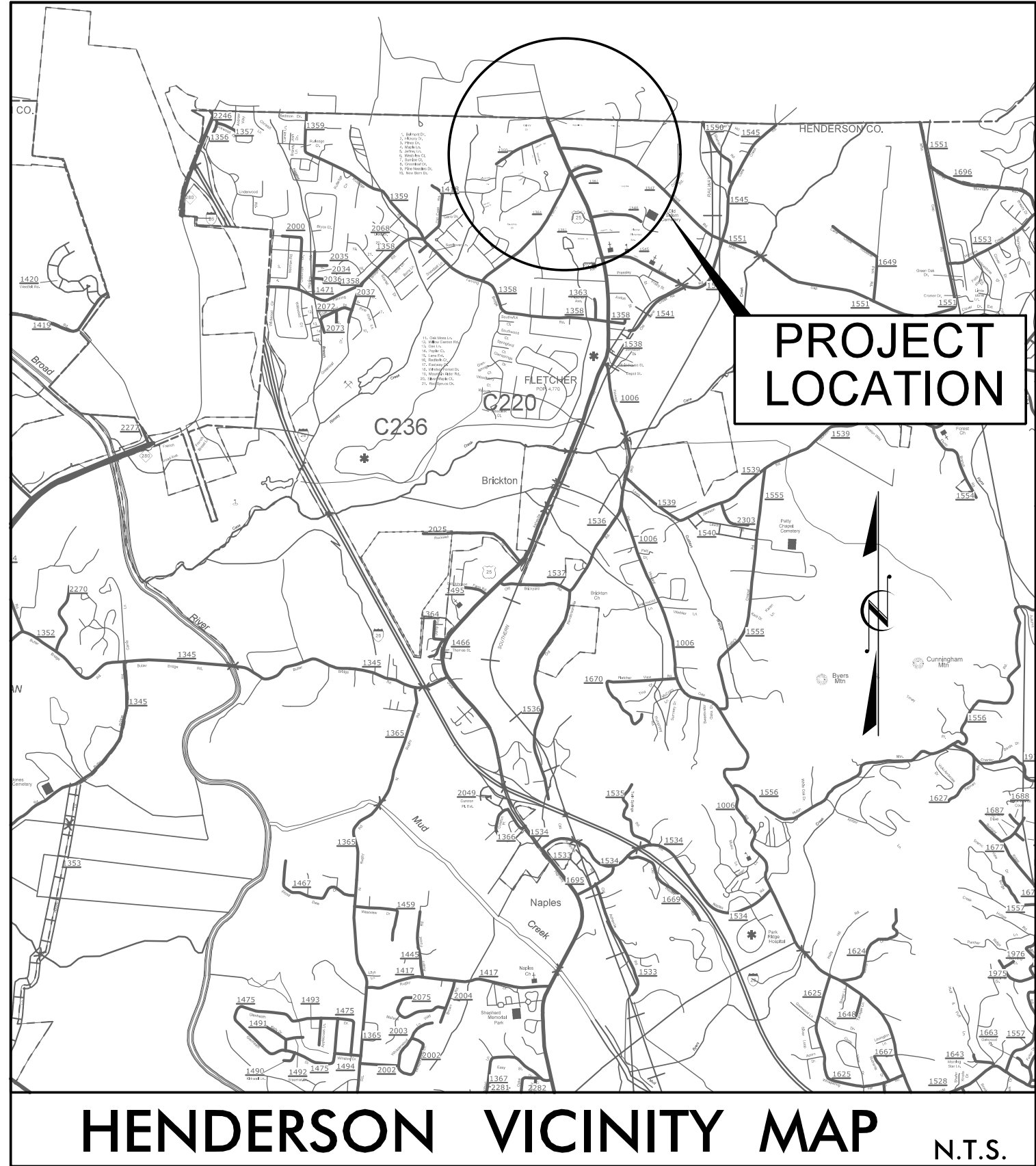
5/23/2018  
I:\1883600-03\NR-5794A\Roadway\Proj\Section D (District I)\188360-03\_SectionD\_TSH.dgn  
haynessj

09/08/99

CONTRACT: DN00641

TIP PROJECT: R-5794D

See Sheet 1A For Index of Sheets



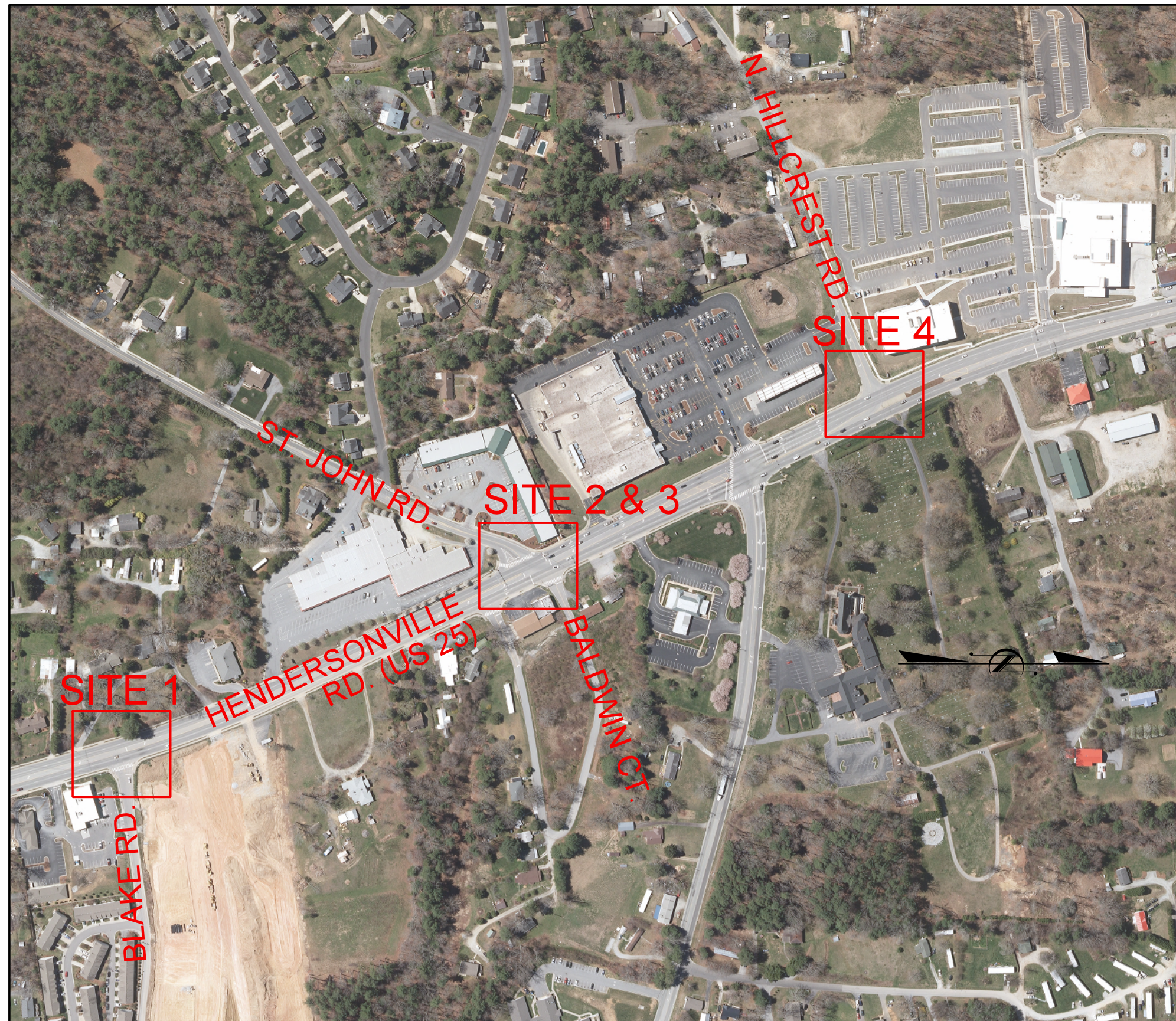
STATE OF NORTH CAROLINA  
DIVISION OF HIGHWAYS

HENDERSON COUNTY

LOCATION: HENDERSON COUNTY

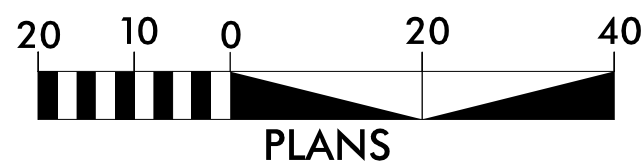
- SITE 1 - HENDERSONVILLE RD (US 25) AND BLAKE ROAD (SR 1546)  
SITE 2 - HENDERSONVILLE RD (US 25) AND ST. JOHN ROAD (SR 1361)  
SITE 3 - HENDERSONVILLE RD (US 25) AND BALDWIN COURT (SR 1361)  
SITE 4 - HENDERSONVILLE RD (US 25) AND NORTH HILLCREST ROAD (SR 1360)

TYPE OF WORK: CURB RAMPS



STATE	STATE PROJECT REFERENCE NO.	SHEET NO.	TOTAL SHEETS
N.C.	R-5794D	1	5
STATE PROJ. NO.	F.A. PROJ. NO.	DESCRIPTION	
44910.3.6			

GRAPHIC SCALES



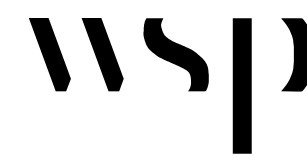
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ADT 2017 = N/A  
DHV = N/A  
D = N/A  
T = N/A  
V = VARIES  
\* TTST = N/A  
FUNC CLASS = LOCAL

PROJECT LENGTH

N/A

Prepared In  
the Office of:



WSP USA Inc.  
1001 MOREHEAD SQUARE DRIVE  
SUITE 610  
CHARLOTTE, NC 28203  
NC LIC. NO. F-0165

2018 STANDARD SPECIFICATIONS

RIGHT OF WAY DATE:  
N/A

LETTING DATE:  
JUNE 26, 2018

SIERRA HAYNES, PE  
PROJECT ENGINEER

PROJECT DESIGN ENGINEER

HYDRAULICS ENGINEER

SIGNATURE: P.E.

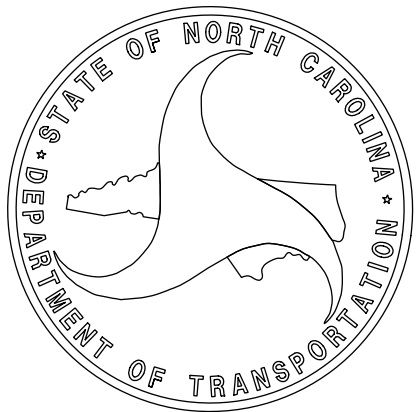
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ENGINEER

5/23/2018 6:01:22 AM PDT

DocuSigned by:

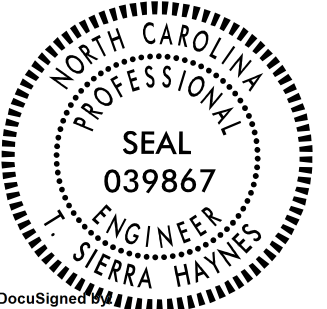
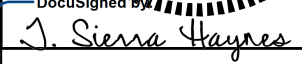
J. Sierra Haynes

SIGNATURE:





**wsp** 1001 MOREHEAD SQUARE DRIVE  
SUITE 610  
CHARLOTTE, NC 28203  
NC LIC. NO. F-0165

PROJECT REFERENCE NO.		SHEET NO.
R-5794D		1A
RW SHEET NO.		
ROADWAY DESIGN ENGINEER		
		
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DOCUMENT NOT CONSIDERED FINAL UNLESS ALL SIGNATURES COMPLETED		

# INDEX OF SHEETS

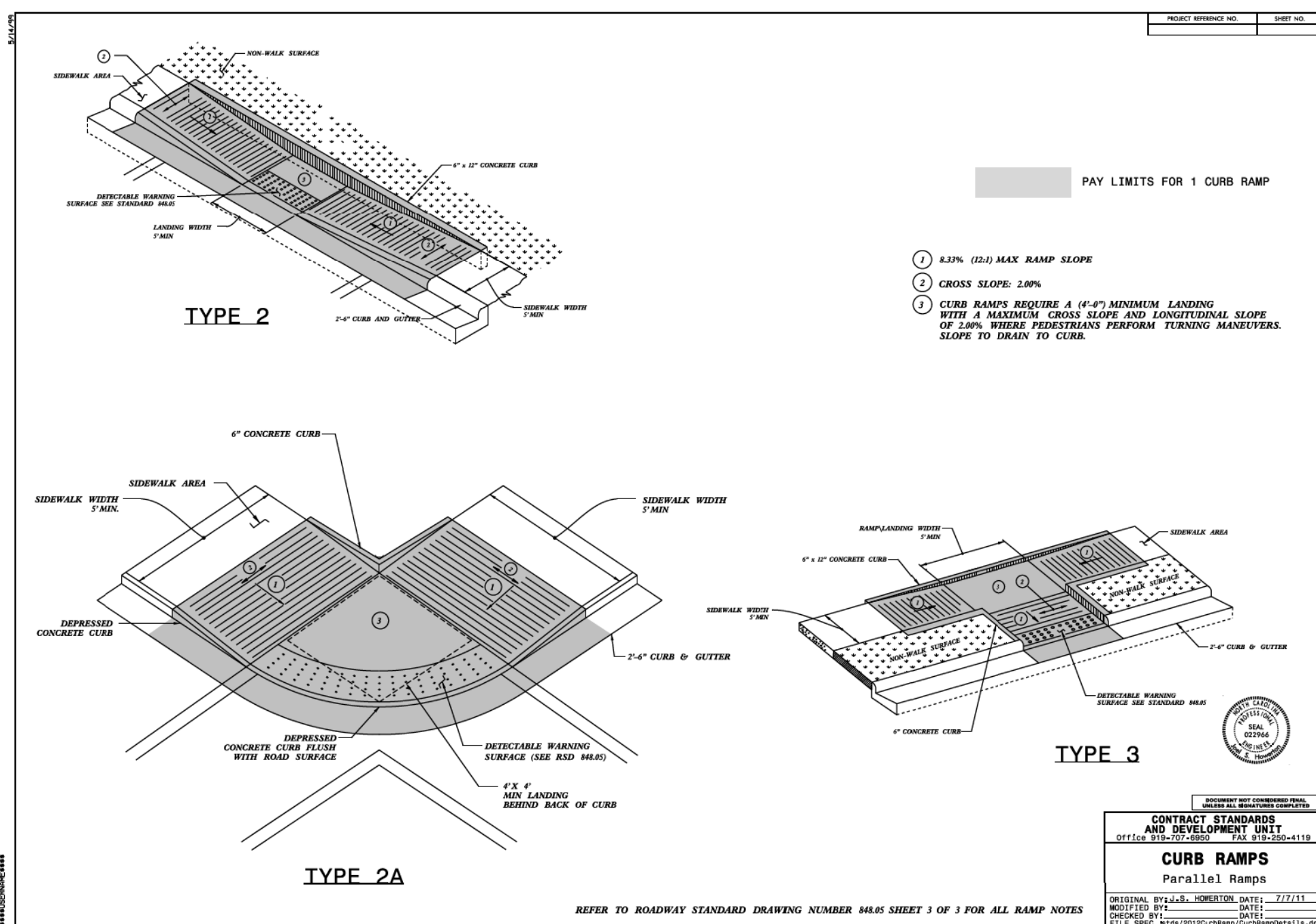
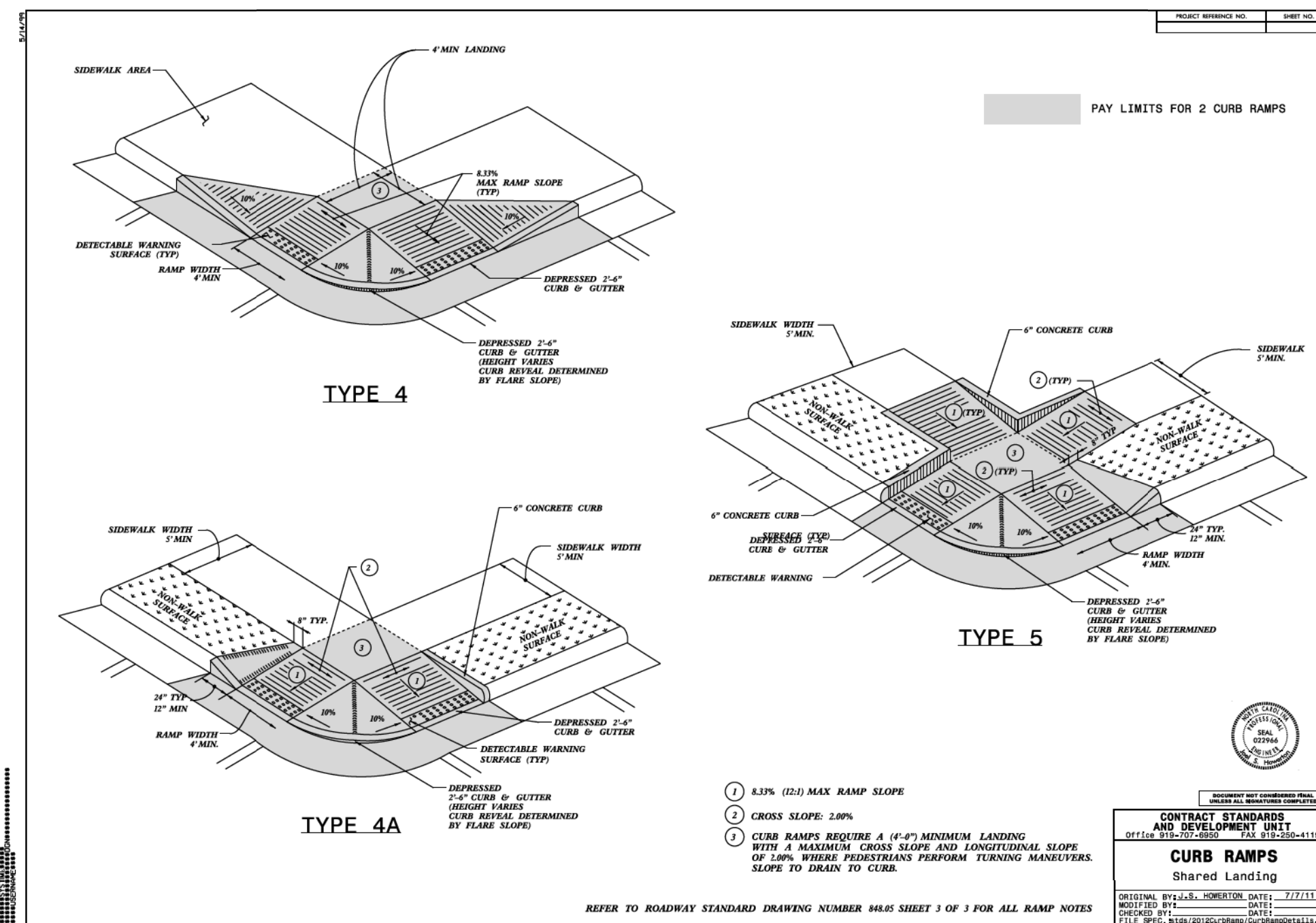
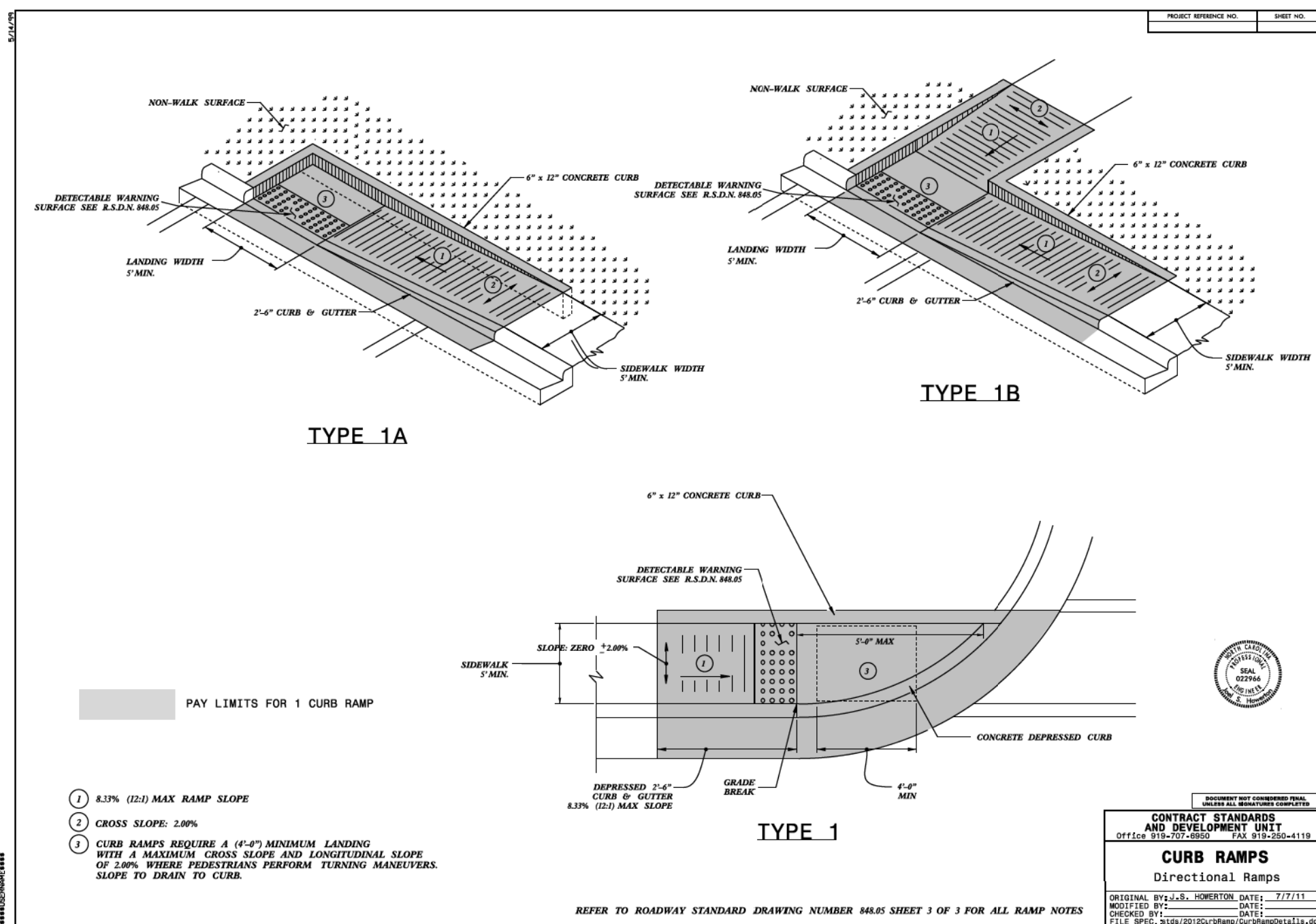
SHEET NUMBER	SHEET
1	TITLE SHEET
1A	INDEX OF SHEETS
2C-1 – 2C-2	RAMP DETAILS
4	PLAN SHEETS



J. Sierra Hayes

5/31/2018 2:48:26 PM PDT

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- NOTES:
1. CONSTRUCT THE RAMP SURFACE TO BE STABLE, FIRM, AND SLIP RESISTANT. CONSTRUCT THE CURB RAMP TYPE AS SHOWN IN THE PAVEMENT MARKING PLANS OR AS DIRECTED BY THE ENGINEER.
  2. LOCATE CURB RAMPS AND PLACE PEDESTRIAN CROSSWALK MARKINGS AS SHOWN IN THE PAVEMENT MARKING PLANS. WHEN FIELD ADJUSTMENTS REQUIRE MOVING CURB RAMPS OR MARKINGS AS SHOWN, CONTACT THE SIGNING AND DELINEATION UNIT OR LOCATE AS DIRECTED BY THE ENGINEER.
  3. COORDINATE THE CURB RAMP AND THE PEDESTRIAN CROSSWALK MARKINGS SO A 4'x4' CLEAR SPACE AT THE BASE OF THE CURB RAMP WILL FALL WITHIN THE PEDESTRIAN CROSSWALK LINES.
  4. SET BACK DISTANCE FROM INSIDE CROSSWALK MARKING TO NEAREST EDGE OF TRAVEL LANE IS 4' MINIMUM.
  5. REFER TO THE PAVEMENT MARKING PLANS FOR STOP BAR LOCATIONS AT SIGNALIZED INTERSECTIONS. IF A PAVEMENT MARKING PLAN IS NOT PROVIDED, CONTACT THE SIGNAL DESIGN SECTION FOR THE STOP BAR LOCATIONS OR LOCATE AS DIRECTED BY THE ENGINEER.
  6. TERMINATE PARKING A MINIMUM OF 20' BACK OF A PEDESTRIAN CROSSWALK.
  7. CONSTRUCT CURB RAMPS A MINIMUM OF 4' WIDE.
  8. CONSTRUCT THE RUNNING SLOPE OF THE RAMP 8.33% MAXIMUM.
  9. ALLOWABLE CROSS SLOPE ON SIDEWALKS AND CURB RAMPS WILL BE 2% MAXIMUM.
  10. CONSTRUCT THE SIDE FLARE SLOPE A MAXIMUM OF 10% MEASURED ALONG THE CURB LINE.
  11. CONSTRUCT THE COUNTER SLOPE OF THE GUTTER OR STREET AT THE BASE OF THE CURB RAMP A MAXIMUM OF 5% AND MAINTAIN A SMOOTH TRANSITION.
  12. CONSTRUCT LANDINGS FOR SIDEWALK A MINIMUM OF 4'x4' WITH A MAXIMUM SLOPE OF 2% IN ANY DIRECTION. CONSTRUCT LANDINGS FOR MEDIAN ISLANDS A MINIMUM OF 5'x5' WITH A MAXIMUM SLOPE OF 2% IN ANY DIRECTION.
  13. TO USE A MEDIAN ISLAND AS A PEDESTRIAN REFUGE AREA, MEDIAN ISLANDS WILL BE A MINIMUM OF 6' WIDE. CONSTRUCT MEDIAN ISLANDS TO PROVIDE PASSAGE OVER OR THROUGH THE ISLAND.
  14. SMALL CHANNELIZATION ISLANDS THAT CAN NOT PROVIDE A 5'x5' LANDING AT THE TOP OF A RAMPS, WILL BE CUT THROUGH LEVEL WITH THE SURFACE STREET.
  15. CURB RAMPS WITH RETURNED CURBS MAY BE USED ONLY WHERE PEDESTRIANS WOULD NOT NORMALLY WALK ACROSS THE RAMP. THE ADJACENT SURFACE IS PLANTING OR OTHER NON-WALKING SURFACE OR THE SIDE APPROACH IS SUBSTANTIALLY OBSTRUCTED.
  16. PLACE A 1/2" EXPANSION JOINT WHERE THE CONCRETE CURB RAMP JOINS THE CURB AS SHOWN IN ROADWAY STANDARD DRAWING 848.01
  17. PLACE ALL PEDESTRIAN PUSH BUTTON ACTUATORS AND CROSSING SIGNALS AS SHOWN IN THE PLANS OR AS SHOWN IN THE MUTCD.
  18. CURB RAMPS THROUGH MEDIAN ISLANDS, SINGLE RAMPS AT DUAL CROSSWALKS OR LIMITED R/W SITUATIONS, WILL BE HANDLED BY SPECIAL DETAILS. CONTACT THE CONTRACT STANDARDS AND DEVELOPMENT UNIT FOR THE DETAILS OR FOR A SPECIAL DESIGN.

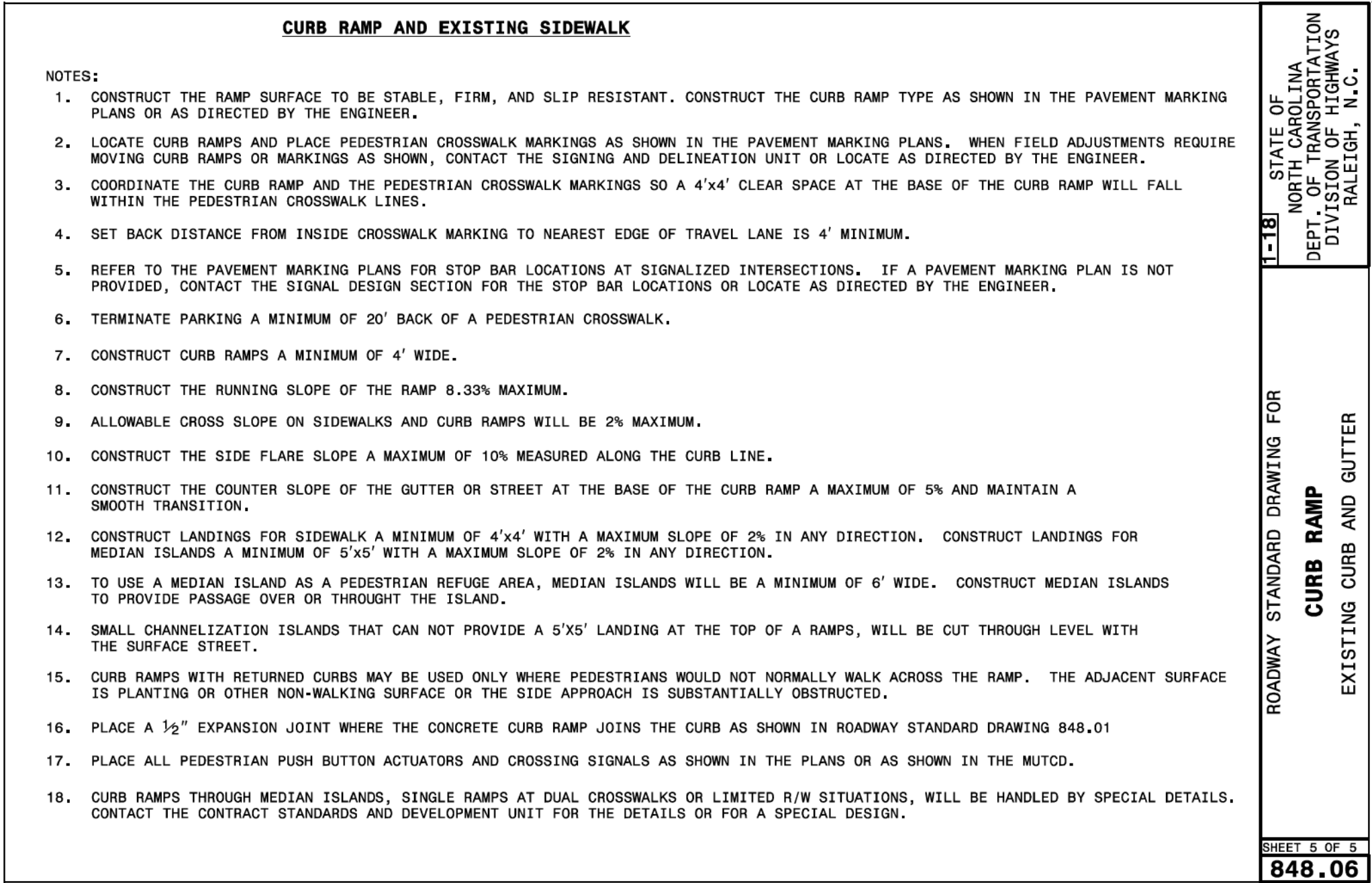
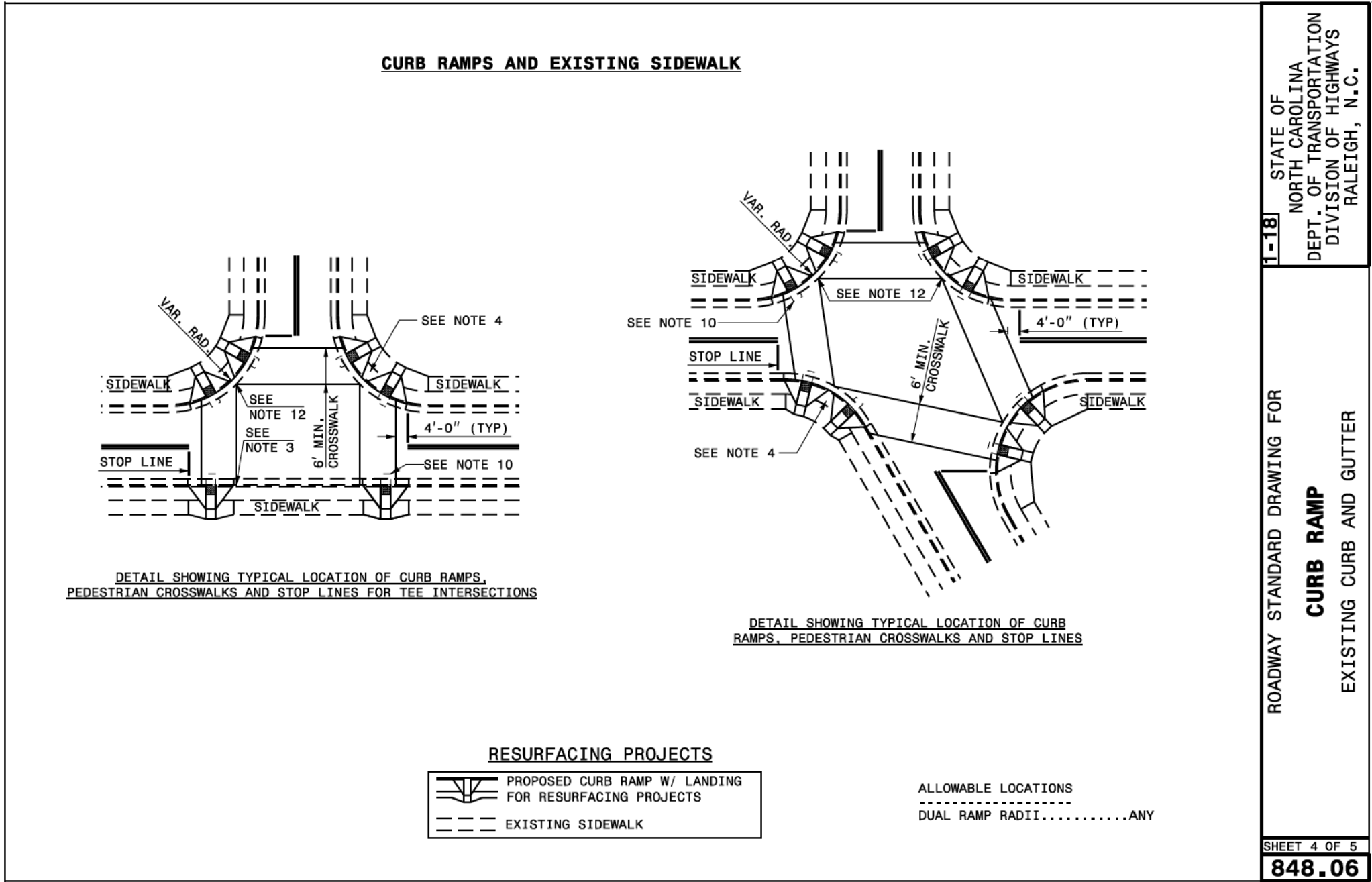
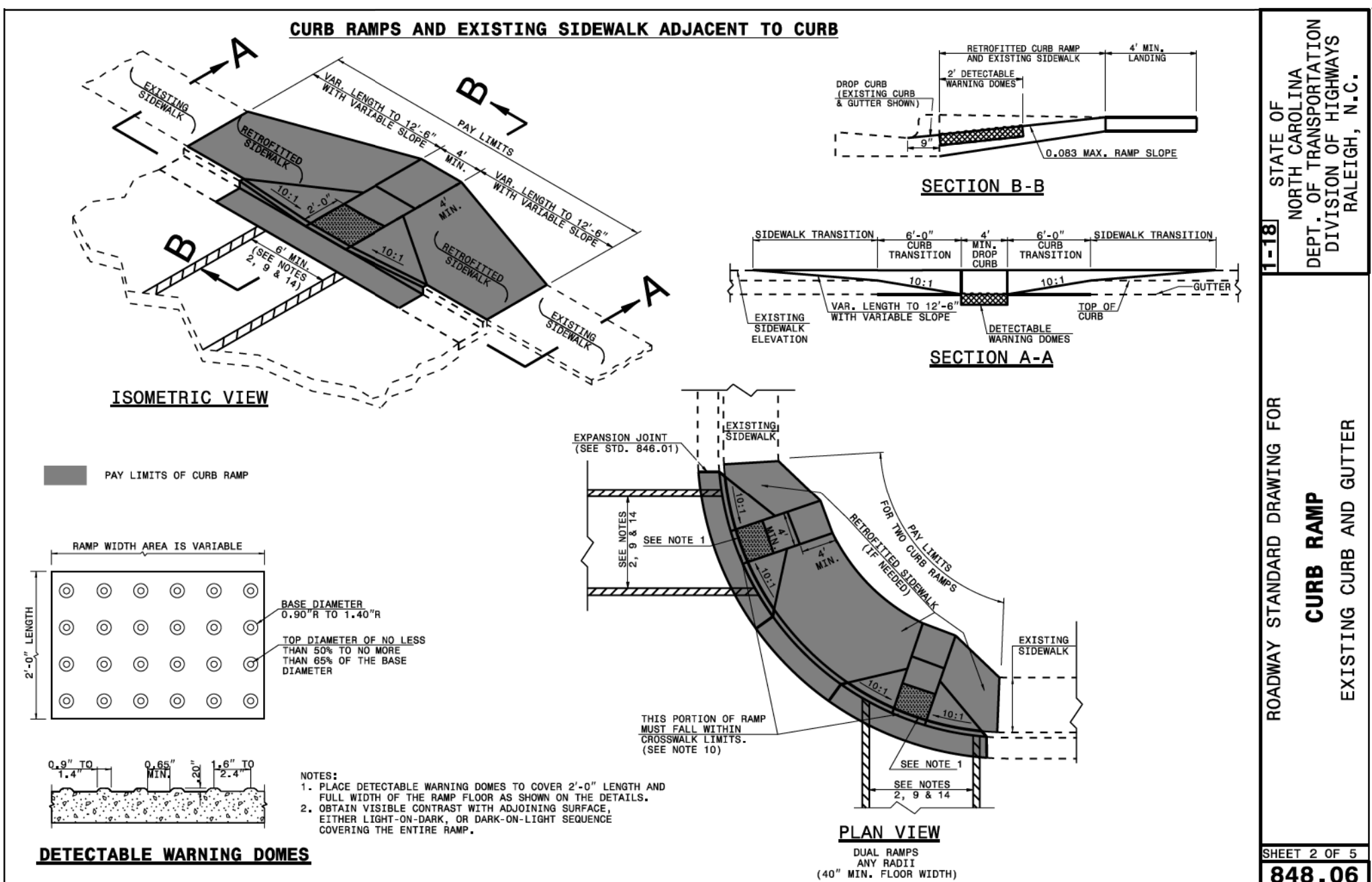
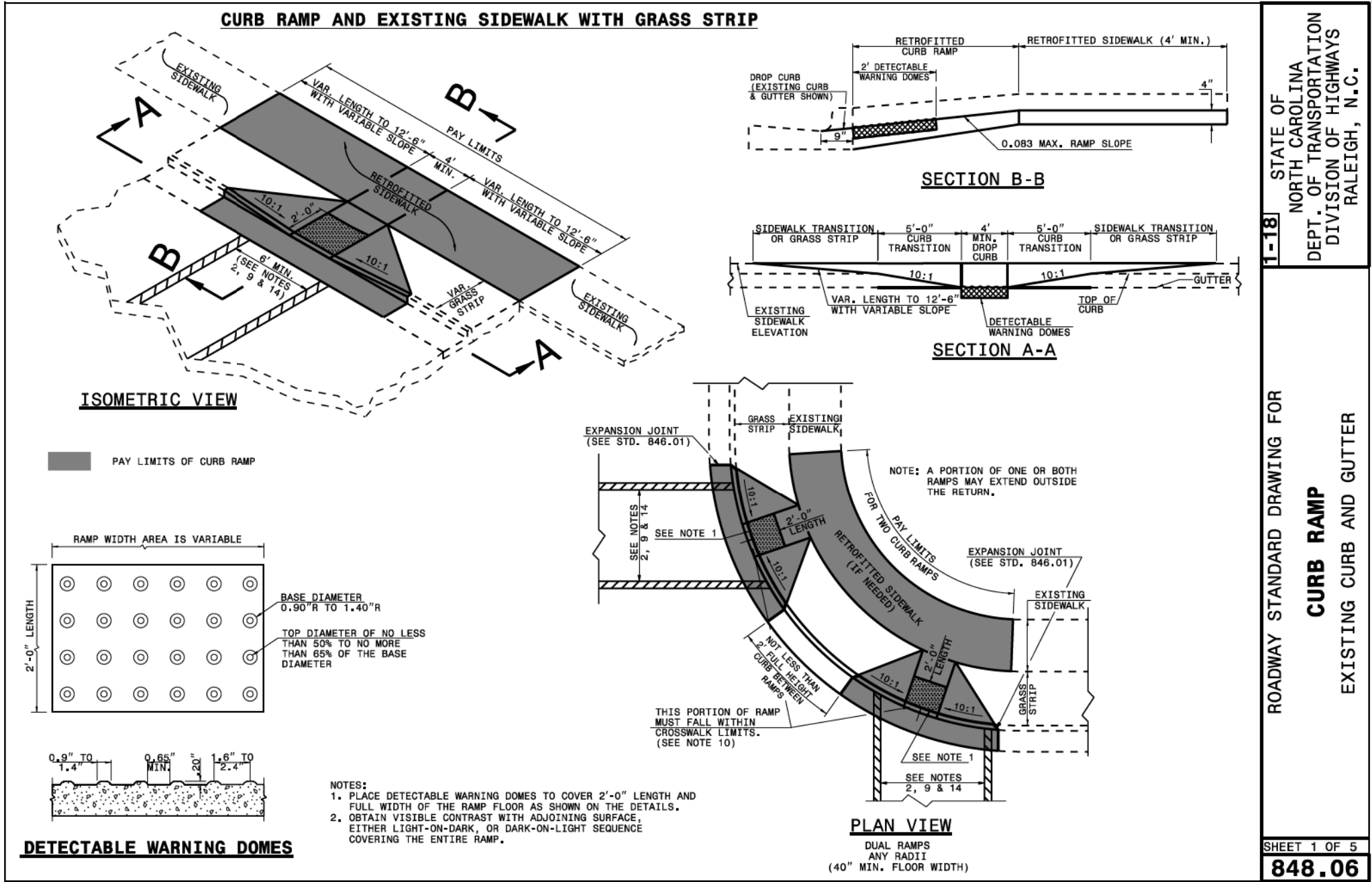
**1-18** STATE OF  
NORTH CAROLINA  
DEPT. OF TRANSPORTATION  
DIVISION OF HIGHWAYS  
RALEIGH, N.C.

**CURB RAMPS**

NOTES

SHEET 3 OF 3  
848.05

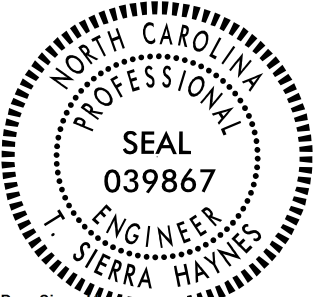





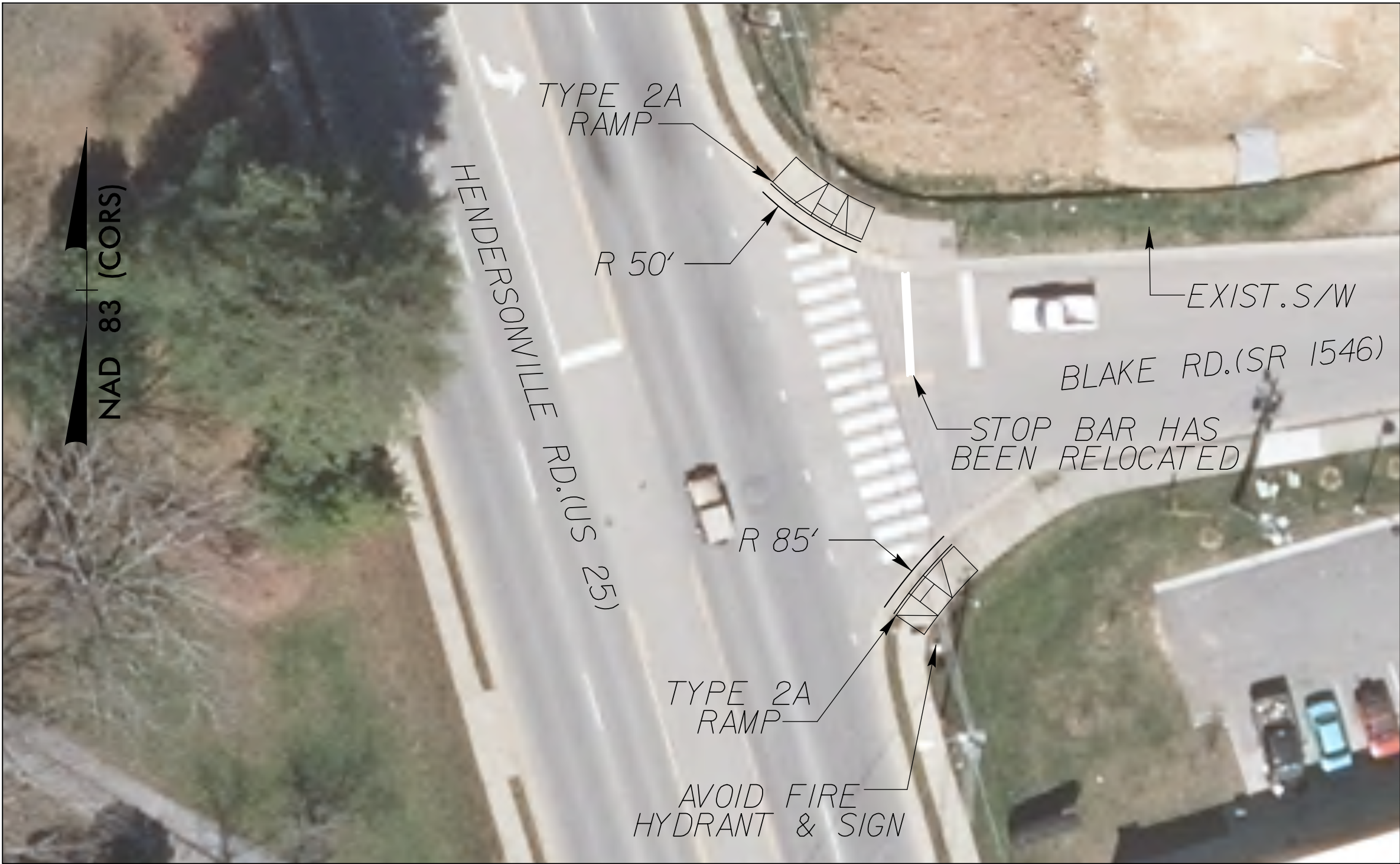


SITE PLAN SHEETS

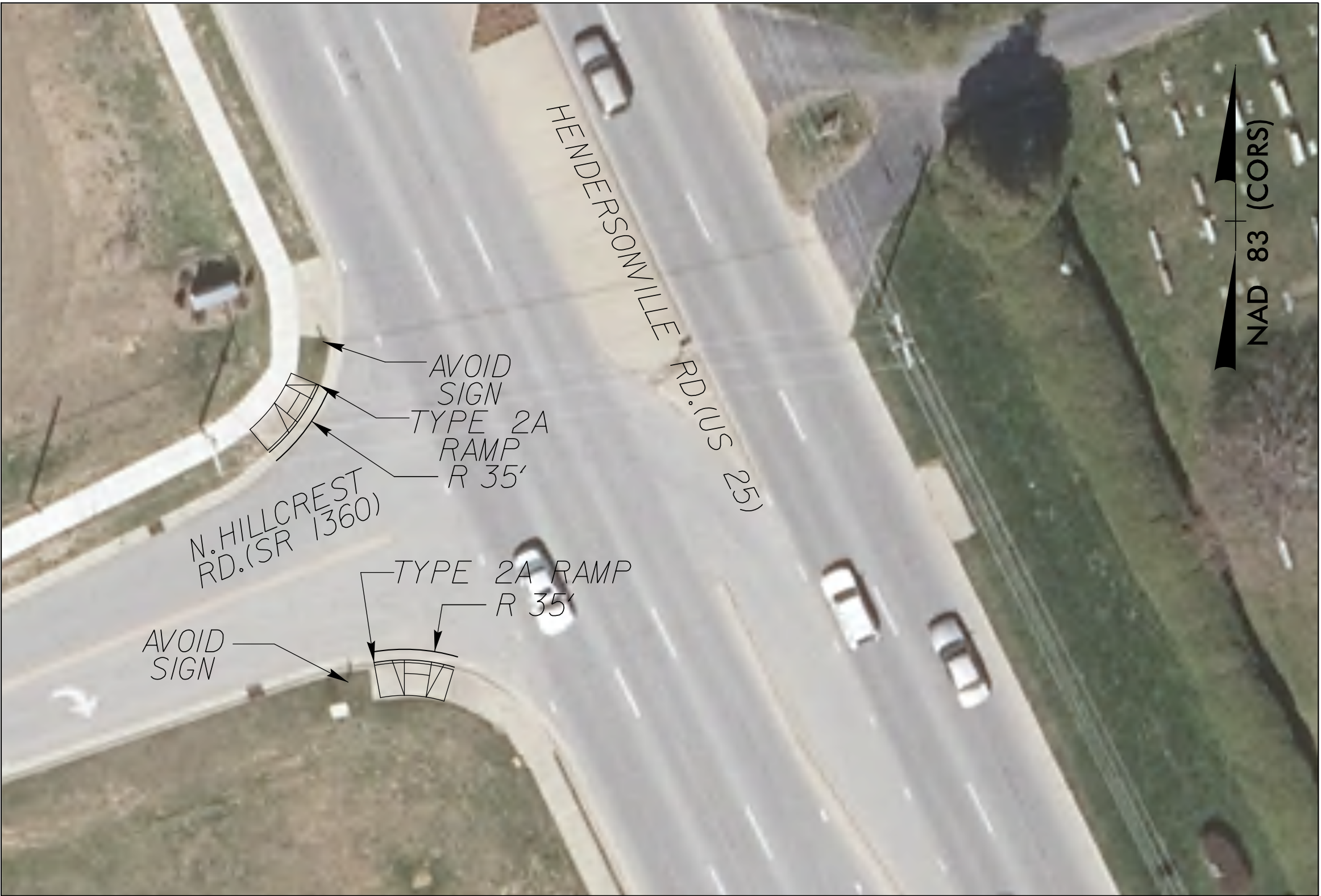
**wsp** 1001 MOREHEAD SQUARE DRIVE  
SUITE 610  
CHARLOTTE, NC 28203  
NC LIC. NO. F-0165

PROJECT REFERENCE NO.		SHEET NO.
R-5794D		4
RW SHEET NO.		
ROADWAY DESIGN ENGINEER		
		
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GRAPHIC SCALE 20 10 0 20 40 PLANS		

SITE 1 - HENDERSONVILLE RD.(US 25) AND BLAKE ROAD (SR 1546)



SITE 4 - HENDERSONVILLE RD.(US 25) AND NORTH HILLCREST ROAD (SR 1360)



SITE 2 & 3 - HENDERSONVILLE RD.(US 25) AND ST. JOHN ROAD (SR 1361) AND  
HENDERSONVILLE RD.(US 25) AND BALDWIN COURT (SR 1361)



NOTE: ERADICATE PAVEMENT MARKINGS AND  
INSTALL NEW CROSSWALK AND STOP BAR.  
SEE NCDOT STANDARD 1205.07

SEE SHEETS 2C-1 & 2C-2 FOR CURB RAMP DETAILS